

How To Use ImageX To Capture A Clean Image From A Reference PC

Perquisites

- Windows Automated Install Kit (WAIK) installed on Technician's PC
- Clean image built on Reference PC
- Sysprep has been run on the Reference PC

Creating Windows PE File Build *(Only do once per architecture type)*

1. Click **Start**, point to **All Programs**, and then click **Microsoft Windows AIK**.
2. Right-click **Deployment Tools Command Prompt**, and then click **Run as administrator**.
3. Click **Yes** to open the Deployment Tools Command Prompt window with elevated permissions.
4. At the Deployment Tools Command Prompt window, use the commands below to prepare the tools to be deployed to your UFD. Only use the commands appropriate to the architecture of the Reference PC. After this process, the files will remain in place unless you delete them.

x86 Build *(All 32-Bit OS)*

```
copy c:\winpe_x86\winpe.wim c:\winpe_x86\ISO\sources\boot.wim
copy "c:\program files\windows aik\tools\x86\imagex.exe" c:\winpe_x86\iso\
```

amd64 Build *(All 64-Bit OS except on Itanium Processors)*

```
copy c:\winpe_amd64\winpe.wim c:\winpe_amd64\ISO\sources\boot.wim
copy "c:\program files\windows aik\tools\amd64\imagex.exe" c:\winpe_amd64\iso\
```

Create a UFD

1. Click **Start**, point to **All Programs**, and then click **Microsoft Windows AIK**.
2. Right-click **Deployment Tools Command Prompt**, and then click **Run as administrator**.
3. Click **Yes** to open the Deployment Tools Command Prompt window with elevated permissions.
4. At the Deployment Tools Command Prompt window, use the commands below to prepare your UFD.

```
diskpart
list disk (identify with disk is your flash drive and use that disk number for the disk# value below)
select disk disk#
clean
create partition primary
select partition 1
format fs=fat32 quick
active
exit
```

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Copy files to UFD

Once a UFD is created, it can be used multiple times. Below, *d*: is the drive letter assigned to your UFD.

x86 Build (All 32-Bit OS)

```
xcopy /s c:\winpe_x86\iso\*. * d:
```

amd64 Build (All 64-Bit OS except on Itanium Processors)

```
xcopy /s c:\winpe_amd64\iso\*. * d:
```

**** Note:** You should test your UFD before running sysprep on your Reference Computer.

Using ImageX To Capture An Image

Use the command:

Dir *drive letter* (e.g. Dir d:)

to identify the following drives

- Source (look for directories of Windows, Users, Program Files, etc)
- Destination
- Drive with imagex.exe

Change to the drive with imagex.exe and use the following commands

If you are mapping a network drive to capture your image to

```
net use z: \\server\share /user:domain\username password
```

```
imagex /compress fast /check /capture d: z:\file.wim "description"
```

**** From Above:**

\\server\share = the server and share location (e.g. \\stx217\images)

Domain = domain name

d: = Source drive

z: = Destination Drive

file.wim = the filename that you are saving the image to (e.g. lab1.wim)

"description" = a clear text description of the image (e.g. "Win 7 Image for Lab 1")

If you are capturing the image to a local or connected portable drive

```
imagex /compress fast /check /capture d: z:\file.wim "description"
```

**** From Above:**

d: = Source drive

z: = Destination Drive

file.wim = the filename that you are saving the image to (e.g. lab1.wim)

"description" = a clear text description of the image (e.g. "Win 7 Image for Lab 1")

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Sources:

"Building a Standard Image of Windows 7 Step-by-Step Guide." *Microsoft Download Center*. Microsoft Corporation, Oct. 2009.

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